HW#18: Reflections Pt. 1

Geometry

Due: Tuesday, Oct 6th

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP \_\_\_\_\_

Failure to show work will result in LaSalle.

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| 1. Describe the process for finding the reflection of a pre-image across a horizontal or vertical axis.  What must be true in order to be able to use your process? | | Justify your process by providing an example below. |
| 1. Reflect the triangle MCP across y = 2.   C:\Users\kramos\Dropbox\Math Materials - KMR\Images\Coordinate_Grid_XYAxis.PNGGive the coordinates of each point below:   *M = (2,2) C = (6,2)*  *P = (6,6)*  *M’ =*  *C’ =*  *P’ =* | 1. Reflect the quadrilateral FDIG across the x-axis.   C:\Users\kramos\Dropbox\Math Materials - KMR\Images\Coordinate_Grid_XYAxis.PNGGive the coordinates of each point below:  *F = (-3,3)*  *D = (2,6)*  *I = (6,2)*  *G = (1,1)*  *F’ =*  *D’ =*  *I’ =*  *G’ =* | |

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| C:\Users\kramos\Dropbox\Math Materials - KMR\Images\Coordinate_Grid_XYAxis.PNGC:\Users\kramos\Dropbox\Math Materials - KMR\Images\Coordinate_Grid_XYAxis.PNG4) Use a reflection in the x-axis to draw the other half of the figure:  a) b) |
| c) Describe, in at least 1 full sentence, the strategy you used to draw in the second half. |

Determine and label the lines of symmetry for each shape below.

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| 5) | 6) |
| 7) | 8) |

Parallel Lines Review

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| Macintosh HD:Users:katleiahramos:Desktop:Screen Shot 2015-10-04 at 8.30.55 PM.png9) Determine whether or not each of the functions below is parallel to *f(x)* =   1. C:\Users\kramos\Dropbox\Math Materials - KMR\Images\.25x+1.PNG b) c) *h(x)*= - |